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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 07304167 A

(43) Date of publication of
application: 21. 11 . 95

(51) Int. Cl **B41J 2/01**
B41J 13/08
B41J 29/00
B65H 5/22

(21) Application number: 06100143

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(22) Date of filing: 13 . 05 . 94

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(54) INK JET PRINTER

(57) Abstract:

PURPOSE: To provide an ink jet printer which can perform the high quality printing not depending on the paper quality of a recording paper and carry out the high speed drying and printing by pressure welding and heat drying the surface of a material to be recorded in an area just before printing by a belt type preheater and printing on the surface while vacuum suction carrying is carried out for the material to be recorded in the heat drying.

CONSTITUTION: Materials 6 to be recorded are heated successively by a belt type preheater 2 just before printing, and in the case the material 6 to be recorded is a recording paper, the water content included therein is steam dispersed, suction fixed to a porous carrying belt 34 of a vacuum suction carrier 3 while the temperature is lower to some extent, and carried right unclear a full color line head 1. The recording paper fed into the preheater after five seconds from the start of energization is heated to 100-110°C, and the water content is dispersed quickly and almost completely dried paper of 90-100°C is

carried under the full color line head 1. Even when the paper is put through the material to be recorded of narrow width, excessive electric current flows through PTC heater exclusively for the temperature lowered area because of the insertion of paper to recover the lowered temperature and uniformize the temperature all over the area.

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